

## WHAT IS CLAIMED IS:

1. A printing service system comprising:

a service device which comprises a storage portion having a main image and a thumbnail image stored therein;

a portable information device which provides access to the server device via a network to receive a desired thumbnail image and its number from the storage device, and transmits the image number to a printing device, corresponding to the thumbnail image; and

a printing device which downloads and prints the main image which corresponds to the thumbnail image specified from the portable information device from the server device via the network.

2. A printing service system according to claim 1, wherein the portable information device further comprises a display portion to display the thumbnail image and an input portion for a user to input a command.

3. A printing service system according to claim 1, wherein the portable information device further comprises a storage portion which stores a thumbnail image and a display portion to display a thumbnail image.

4. A printing service system according to claim 1, wherein the server stores the main image, thumbnail image, and image number in the storage device in



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portion in accordance with a program stored by the second storage portion, followed by delivering the read out image from the communication portion to an external device via the network, and reads out the main image presented via the network from the first storage portion, followed by delivering the read out image from the communication portion to the external device via the network.

9. A service device program comprising:

10 a step of transmitting a thumbnail number and an image number that corresponds thereto upon an external request via a network;

a step of externally receiving the image number that corresponds to the thumbnail image via the network; and

15 a step of externally delivering a larger amount of data than that of a thumbnail, the image corresponding to the received image number via the network.

10. A portable information device program comprising:

20 a step of providing access from a portable information device to a printing device by a user operation;

a step of causing a user to select a stored thumbnail; and

25 a step of delivering the image number that corresponds to the thumbnail to the printing device.

11. A portable information device program according to claim 10, further comprising a step of disconnecting a network.

12. A printing service system comprising:

5 a server device which comprises a storage portion having a main image and a thumbnail image stored therein, the server device externally delivering the main image and thumbnail image and an image number;

10 a portable information device which provides access to the server device via a network, thereby receiving a desired image number from the storage portion and transmitting the image number to the server device; and

15 a printing device which downloads and prints the main image from the server device via the network in accordance with a command from the server.

20 13. A printing service system according to claim 12, wherein the portable information device comprises: a display portion to receive a thumbnail image and number from the server, and further, to display the thumbnail image; and an input portion for a user to select the thumbnail image.

25 14. A printing service system according to claim 12, wherein the portable information device further comprises a storage portion which stores an image number and a display portion to display a thumbnail image.

15. A printing service system according to claim 12, wherein the server stores the main image and thumbnail image and number in the storage portion in association therewith.

5        16. A printing service system according to claim 12, wherein the printing device further comprises a coin charge portion to receive a coin.

17. A portable information device program comprising:

10        a step of providing access from a portable information device to a server via a network by a user operation;

         a step of displaying image data delivered from the server;

15        a step of causing the user to select a desired image from the displayed image;

         a step of prompting the user to deliver a print command to the server; and

20        a step of causing the user to select a printer targeted for printing.

18. A portable information device program according to claim 17, further comprising a step of disconnecting a network.

19. A printing service system comprising:

25        a server device which comprises a storage portion having a main image and a thumbnail image stored therein;

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a portable information device which is provided with storage means for storing a thumbnail image, display means for displaying a thumbnail, and input means for a user to input a command, and which provides  
5 access to the server device via a network to receive a desired thumbnail image and its number from the server device, and transmits the image number to a printing device, corresponding to the thumbnail image; and

printing means for downloading and printing the  
10 main image which corresponds to the image number specified from the portable information device from the server device via the network.